

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 January 2001 (04.01.2001)

PCT

(10) International Publication Number
WO 01/01639 A1

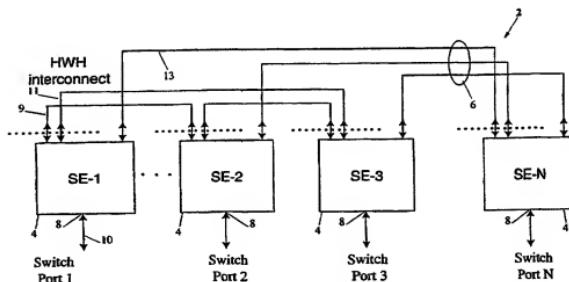
- (51) International Patent Classification⁷: H04L 12/56 (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (21) International Application Number: PCT/AU00/00710 (82) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- (22) International Filing Date: 23 June 2000 (23.06.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: PQ 1200 25 June 1999 (25.06.1999) AU
- (71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET LM ERICSSON (SE/SE); S-126 25 Stockholm (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): TANOVIC, Kerim [AU/AU]; 3/33 Clarendon Street, Armadale, VIC 3143 (AU).
- (74) Agent: WATERMARK PATENT & TRADEMARK ATTORNEYS; 290 Burwood Road, Hawthorn, VIC 3122 (AU).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SWITCH STRUCTURE



(57) Abstract: This invention relates to a switch structure and more particularly to a switch structure for circuit switching of telecommunications signals, such as, but not exclusively, data. A switch arrangement for a Group switch adapted to switch communication signals is provided, the switch arrangement including, a first switching module (SE-1 to SE-N) having at least a first switching element (SE-2) and a second switching element (SE-3); a first communication path (HWH) interconnecting the first and second switching elements (SE-2, SE-3) a second switching module (SE-N+1 to SE-N) having at least a third switching element (SE-N+3), and a second communicating path (HWV) interconnecting the second module and first module. The second communication path is provided between modules allowing a distribution of the switching function with a minimum of connections and at the same time providing a switch structure that can be easily scaled up for increased capacity.

WO 01/01639 A1